

## ABSTRACT OF THE DISCLOSURE

To provide a fragmentation processing device for performing a fragmentation process only with hardware based on a set MTU size and a fragmentation processing apparatus using the fragmentation processing device. On creating IP packets by combining fixed packets, there is acquired the largest number  $N'$  of the fixed packets that will be an IP packet of a size smaller than the MTU size. It assembles an IP packet is assembled at the time of acquiring the  $N'$  pieces of fixed packets.